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VIBRATION COMPENSATING ZOOM LENS

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ABSTRACT

PURPOSE: To eliminate variation in compensation coefficient even if the focal length of the whole system varies and to enable uniform control by controlling the power of a vibration compensating lens group.

CONSTITUTION: The vibration compensating lens group 20 is arranged adjacently to the side of the image plane 30 of a power varying lens group 10 with focal length f_1 . Here, $mc=1/(1+(f_1/A))$ holds for the image power mc of the vibration compensating lens group 20 and the composite focal length f_1 of the lens group on the object side as compared with the vibration compensating lens group 20. Here, A is an optional constant. Consequently, the uniform control is performed without varying the ratio of the quantity of compensation displacement for a shake angle to the focal length of a system which varies by zooming.

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VIBRATION COMPENSATING ZOOM LENS (English)

Patent Assignee: ASAHI OPTICAL CO LTD

Author (Inventor): MARUYAMA KOICHI

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